

QDC2525X

High Power, High Isolation

Features:

- * High Power
- * High Isolation
- * Low Insertion Loss
- * Low VSWR

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

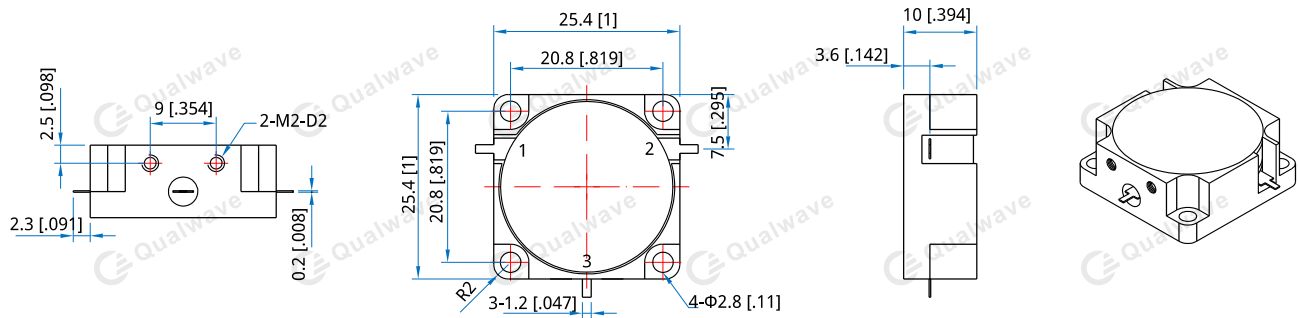
QDC2525X series Drop-In Circulators cover frequency range 350~4000MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Temperature (°C)
350~400	20	0.50	20.0	1.25	100~250	-30~+70
400~800	20	0.40	23.0	1.25	100~250	-30~+70
400~800	70	0.40	20.0	1.20	100~250	-30~+70
700~1300	30	0.25	25.0	1.15	100~250	-30~+70
700~1300	100	0.40	20.0	1.25	100~250	-30~+70
746~870	124	0.40	20.0	1.20	100~250	-30~+70
750~860	110	0.50	18.0	1.30	100	-30~+75
869~894	25	0.25	25.0	1.20	100~250	-30~+70
885~915	30	0.25	25.0	1.20	100~250	-30~+70
850~960	110	0.40	20.0	1.25	100~250	-30~+70
860~1020	160	0.60	17.0	1.35	100	-30~+75
920~960	40	0.25	25.0	1.20	100~250	-30~+70
960~1215	255	0.40	20.0	1.25	100~250	-30~+70
1010~1050	40	0.35	20.0	1.20	100	-40~+85
1030~1090	60	0.30	23.0	1.20	100~250	-30~+70
1080~1360	280	0.60	17.0	1.35	50	-30~+75
1200~1600	400	0.70	16.0	1.40	50	-30~+75
1300~3000	75	0.25	25.0	1.15	100~250	-30~+70
1300~3000	100	0.30	23.0	1.20	100~250	-30~+70
1300~3000	200	0.40	20.0	1.25	100~250	-30~+70
1300~1800	500	0.40	16.0	1.40	100~250	-30~+70
1450~1475	25	0.25	23.0	1.20	150	-40~85
1500~1700	200	0.40	20.0	1.25	100~250	-30~+70
1520~1545	25	0.25	23.0	1.20	150	-40~+85
1520~1620	100	0.50	18.0	1.30	50	-30~+75
1700~1900	200	0.40	20.0	1.25	100~250	-30~+70
1805~1880	75	0.40	20.0	1.25	100, 150	-40~+125
1880~2650	770	0.65	15.0	1.45	100~250	-30~+70
1900~2200	300	0.40	20.0	1.25	100~250	-30~+70
2010~2170	160	0.40	20.0	1.25	100	-30~+75
2100~2700	600	0.50	18.0	1.35	100~250	-30~+70
2110~2170	60	0.30	20.0	1.25	200	-40~+125

Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Temperature (°C)
2400~2500	100	0.25	25.0	1.15	100~250	-30~+70
3000~4000	200	0.30	23.0	1.20	100~250	-30~+70
3000~4000	400	0.40	20.0	1.25	100~250	-30~+70
3400~3600	200	0.30	23.0	1.20	100~250	-30~+70
3600~3800	200	0.30	23.0	1.20	100~250	-30~+70

Outline Drawings



Unit: mm [inch] Tolerance: ±0.2mm [±0.008in]

Mechanical

Size*1: 25.4*25.4*10mm
1*1*0.394in
Connector Type: Strip line
Mounting: 4-Φ2.8mm through-hole
2-M2, depth 2mm

[1] Exclude connectors

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

QDC2525X-W-X-Y-Z

W: Start frequency in MHz
X: Stop frequency in MHz
Y: Average Power in W
Z: Direction type

Examples:

To order a QDC2525X series Circulator, 350~370MHz, 100W, Clockwise, specify QDC2525X-350-370-K1-1.

Customization is available upon request.